

Message Text

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TO AMEMBASSY MOSCOW

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FOR SCICOUNS FROM AEC

E.O. 11652: N/A

TAGS: TECH, ENRG, UR

SUBJECT: CTR ATOMIC EMERGY AGREEMENT

PLEASE DELIVER FOLLOWING MESSAGE FROM R.L. HIRSCH TO E.P.
VELIKHOV, DEPUTY DIRECTOR, KURCHATOV ATOMIC ENERGY INSTITUTE,
WITH COPY TO G.A. ELISSEEV AT KURCHATOV INSTITUTE:

ON OUR EXCHANGE ON THE "TECHNOLOGY OF NEUTRAL BEAMS AND NEGA-
TIVE ION SOURCES" THE U.S. DELEGATION WILL BE PREPARED TO GIVE
AN INFORMAL PRESENTATION COVERING ALL ASPECTS OF THE U.S.
PROGRAM IN NEUTRAL BEAMS AND RELATED ION SOURCES.

SOME OF OUR THOUGHTS OF WHAT OUR DELEGATION WOULD LIKE TO
INCLUDE IN ITS VISIT ARE OUTLINED BELOW BUT THIS SHOULD NOT
BE CONSIDERED AS ALL INCLUSIVE.

AT THE KURCHATOV INSTITUTE WE ARE INTERESTED IN NEUTRAL BEAM
TEST FACILITIES, CONFINEMENT DEVICES HEATED BY NEUTRAL BEAMS
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AND OTHER WORK RELATED TO ION SOURCES, DIAGNOSTIC AND BEAM
TECHNOLOGY. WE WOULD LIKE TO DISCUSS PRESENT AND FUTURE PROGRAM

PLANS AND WE ARE PARTICULARLY INTERESTED IN TALKING TO DRS. V.M. KULYGIN, A.A. PANASENKOV, B.B. KADOMTSEV, IOFFE, PANOV AND STRELKOV AS WELL AS OUR RECENT VISITORS DRS. SEMASHKO AND KUZNETSOV.

AT THE SIBERIAN ACADEMY OF SCIENCES WE ARE INTERESTED IN THE NEGATIVE ION WORK OF DRS. Y.I. BELCHENKO, G.I. DIMOV, V.G. DUDNIKOV AND A.A. IVANOV. WE ARE ALSO INTERESTED IN MEASUREMENT TECHNIQUES IN USE AT NOVOSIBIRSK.

FOR OUR EXCHANGE ON "SUPERCONDUCTING MAGNET TECHNOLOGY" THE U.S. DELEGATION IS PARTICULARLY INTERESTED IN VISITING THE KURCHATOV INSTITUTE AND THE INSTITUTE OF HIGH TEMPERATURES IN MOSCOW, THE EFREMOV INSTITUTE, THE INSTITUTE OF LOW TEMPERATURES AT THE PHYSICO-TECHNICAL INSTITUTE AT KHARKOV. OTHER LABORATORIES OF INTEREST WOULD BE DUBNA, THE RADIO TECHNICAL INSTITUTE OF THE USSR ACADEMY OF SCIENCES AND THE MOSCOW PHYSICOTECHNICAL INSTITUTE.

SOME OF THE SOVIET SCIENTISTS WHOM WE WOULD LIKE TO VISIT AT THESE LABORATORIES ARE V.B. ZENKEVICH, N.A. CHERNOPLEKOV, V.V. SYCHEV, V.V. KIRILLOV, V.V. ALTOV, A. GEORGIEVSKI, N.A. MONOSZON AND V.A. KOVAL.

THE U.S. DELEGATION WILL SPEAK ON "THE SAFETY ASPECTS OF LARGE FUSION MAGNETS," "SUPERCONDUCTING MAGNETS FOR TOKAMAKS," "THE DEVELOPMENT OF MULTIFILAMENTARY Nb₃Sn MATERIALS FOR LARGE CTR COILS" AND THE "SUPERCONDUCTING 'D' COIL PROGRAM FOR FUSION RESEARCH AND REACTORS." WE ARE INTERESTED IN DISCUSSING SOVIET FACILITIES AND PLANS FOR THE DESIGN, ENGINEERING, MANUFACTURING AND TESTING OF ALL TYPES OF SUPERCONDUCTING SYSTEMS FOR FUSION RESEARCH. INGERSOLL

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